

Product datasheet for **MG225261**

Evl (NM_001163396) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Evl (NM_001163396) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Evl
Synonyms:	A1528774; b2b2600Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225261 representing NM_001163396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGTCTACGATGACACCAGTAAGAAGTGGGTACCGATCAAGCCTGGCCAGCAGGGATTAGCCGGATCA
ACATCTACCACAACACTGCCAGCAGCACCTTCAGAGTGGTCGGGGTCAAGCTACAGGACCAGCAGGTTGT
GATCAATTATTCAATTGTTAAAGGGCTGAAGTACAATCAGGCAACACCCACCTTCCATCAGTGGCGAGAT
GCCCGTCAGGTCTATGGCTTAACTTTGCAAGTAAGGAAGAAGCAACCACATTCTCCAATGCCATGCTCT
TTGCCCTGAACATCATGAATCCCAAGAAGGAGGCCCTCCACACAGCGTCAGGTGCAGAATGGCCCTC
TCCTGAGGAGATGGACATCCAGAGAAGACAAGTAATGGAGCAGCAGCACCGCCAGGAGTCTCTGGAGAGG
AGAATCTCGGCCACAGGGCCATTCTCCCCCTGGGCATCCCTCATCGGCAGCCAGCACCCTCTCTCCT
GTAGTGGACCTCCACCCCGCTCCACCCCAAGTCCACCTCCACCCACAGGGTCTACTCCCCACCCCC
ACCCCACTGCCAGCTGGAGGAGCCAGGGGACCAACCATGATGAGAGCTCTGCATCAGGACTGGCTGCT
GCTCTGGCGGGAGCAAGCTAAGGAGGGTGCAGCGGCCAGAAGATGCATCTGGAGGCTCCAGTCTAGTG
GGACTTCAAAGTCCGATGCCAACCGGCAAGCAGTGGGGGAGGTGGAGGAGGCTCATGGAAGAAATGAA
CAAGCTGCTGGCTAAGAGGAGAAAAGCAGCCTCCAGACAGACAAGCCCGCTGACAGAAAGGAAGATGAG
AGCCAAACGGAAGACCCTAGCACCTCCCCATCCCAGGTACCCGAGCCACCAGCCAGCCACCTAATTCCT
CAGAGGCTGGCAGAAAACCTGGGAACGGAGCAACTCGGTGGAGAAACCTGTGTCCTCGTTGCTGTCCAG
AACCCCGTCTGTGGCAAAGAGCCCGAAGCTAAGAGCCCTTTCAGTTCGAGCCTCACTCTAGGGTGAAG
CCTGCTGGGAGTGTGAATGACGTGGCCTGGATGCCTTAGATTTGGACCGGATGAAAACAGGAGATCCTGG
AGGAGGTGGTTCCGGAGCTGCACAAGGTGAAGGAGGAGATCATTGATGCCATCAGGCAGGAGCTAAGTGG
GATCAGCACCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225261 representing NM_001163396
Red=Cloning site Green=Tags(s)

```
MVYDDTSKKWVPIKPGQQGFSRINIYHNTASSTFRVVGVLQDQQVINYIVKGLKYNQATPTFFHQWRD
ARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGPSTQRQVQNGPSPEEMDIQRRQVMEQQHRQESLER
RISATGPILPPGHPSSAASTTSCSGPPPPPPVPPPTGSTPPPPPLPAGGAQGTNHDESSASGLAA
ALAGAKLRRVQRPEDASGGSSPSGTSKSDANRASSGGGGGLMEEMNKLLAKRRKAASQTDKPADRKEDE
SQTEDPSTSPSPGTRATSQPPNSSEAGRKPWERSNSVEKPVSSLLSRTPSVAKSPEAKSPLQSQPHSRVK
PAGSVNDVGLDALDLDRMKQEILEEVVRELHKVKEEIIIDAIRQELSGISTT
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163396

ORF Size: 1203 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001163396.2](#), [NP_001156868.1](#)

RefSeq Size: 1976 bp

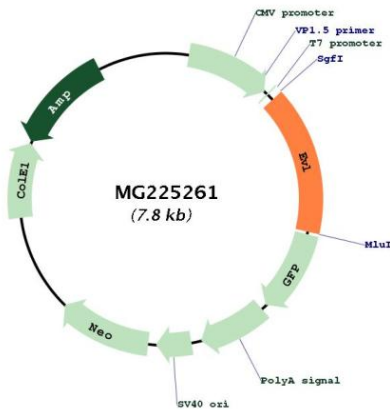
RefSeq ORF: 1206 bp

Locus ID: 14026

Cytogenetics: 12 F1

Gene Summary: Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance and lamellipodial and filopodial dynamics in migrating cells. EVL enhances actin nucleation and polymerization. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225261